



New Offerings from ST Imaging...Making Light work



VD6283 Product Overview and Key Features



VD6283 Applications and Use Cases



VD6283 Display Applications

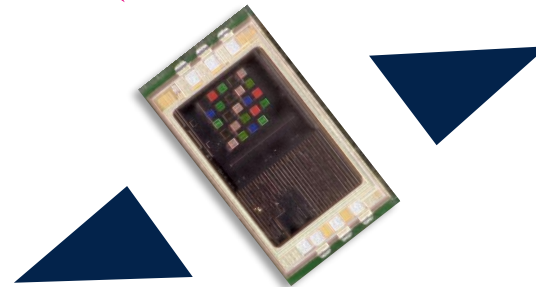




VD6283 | Product overview

Smallest Multispectral ALS with Best-in-class CCT

1.83 x 1.0 x 0.55mm
Smallest on the market

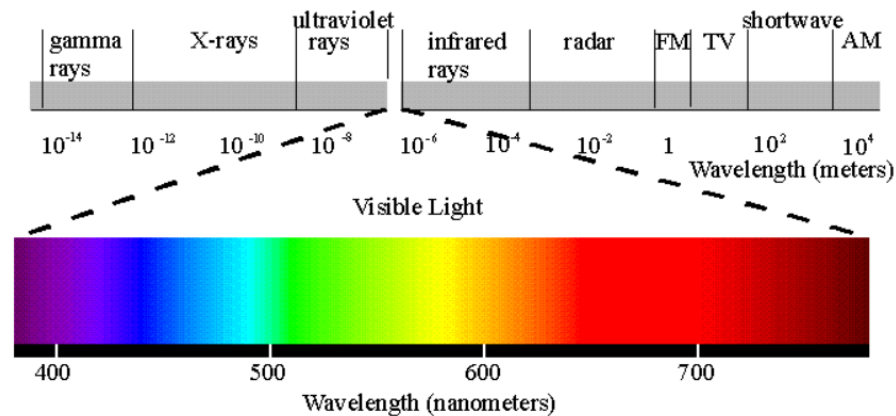


Light Flicker extractor

- Only sensor in the market with **real flicker extraction engine**
- For all frequencies from 100Hz up to 2kHz
- Can work **simultaneously** with ALS



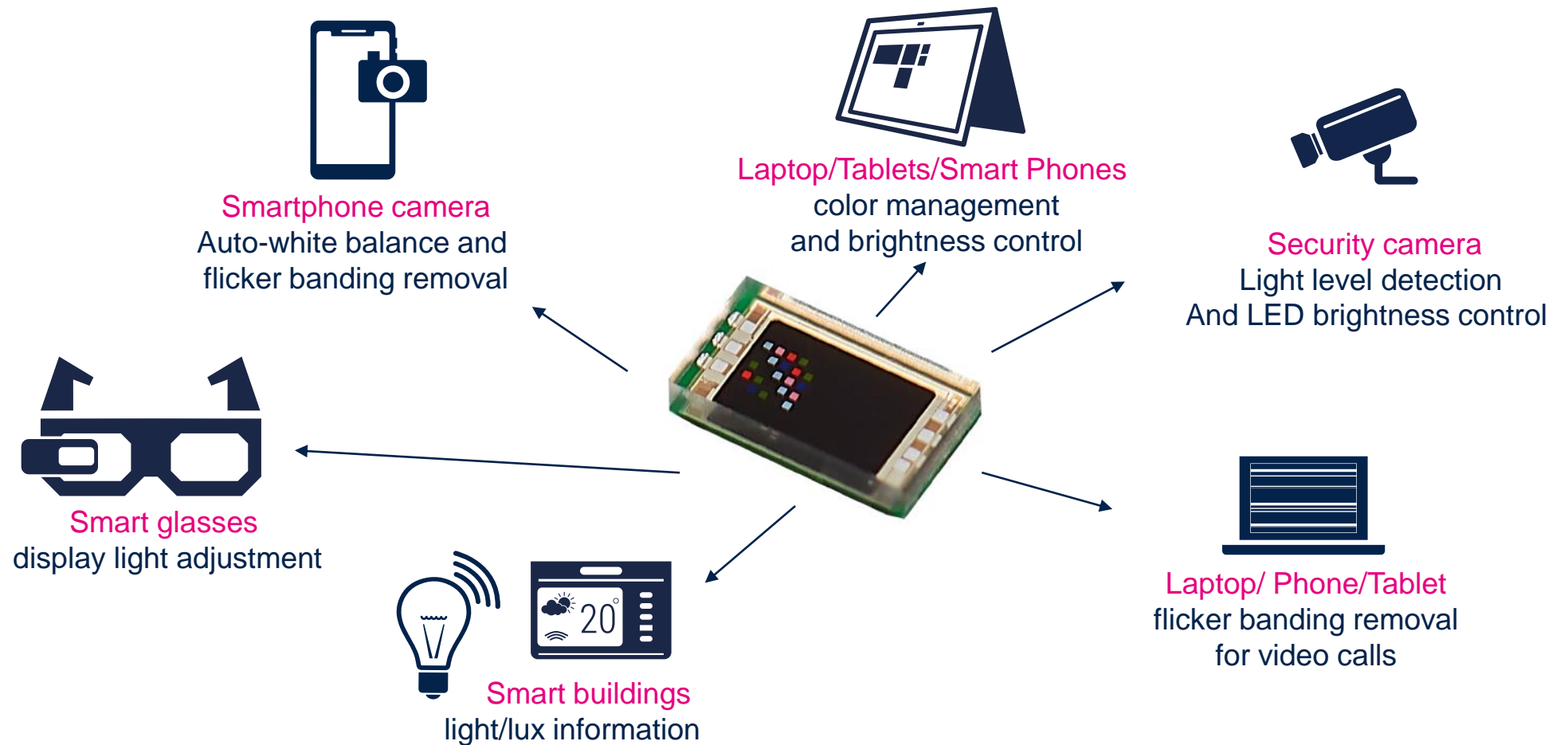
- 6 channels: **R, G, B, IR, Visible and Clear**
- Large **dynamic range**
- Excellent sensitivity, **best-in-class CCT performance on RGB channel**





VD6283 | applications and use cases

Ambient Light Sensor





VD6283 | Display Applications

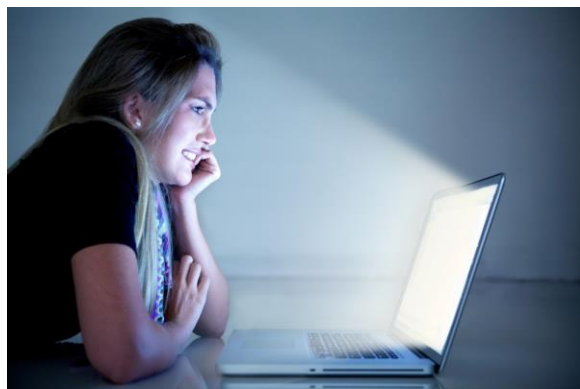
Brightness and Color information for Displays



- Adaptive Brightness



- Adaptive Color
- Adaptive Blue Light



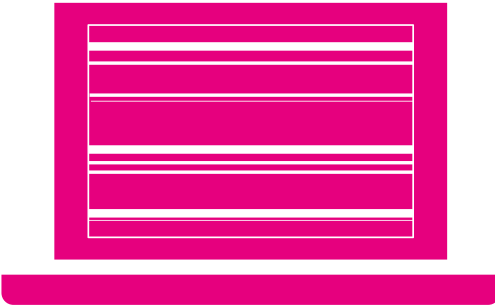
For eye strain reduction





VD6283 | Display Applications

Flicker Free Video Chat



- Allows to solve camera “banding effect”
- Ability to extract flicker from 100Hz to 2KHz
- Flicker detection Engine can work simultaneously with light sensing



For flicker-free video chats

